



Intel® 845GV Scalable Performance Board Development Kit

Product Overview

Flexible and scalable, the Intel® 845GV Scalable Performance Board Development Kit is an excellent choice for developers of industrial and imaging applications providing integrated graphics functionality. It can be populated with either the Intel® Pentium® 4 or Intel® Celeron® processor in the socket 478 package. This and other development kits from Intel provide a fully working product with a range of performance options, which can be modified or used immediately for product development. These development kits also provide a platform with a validated processor/chipset combination to allow software vendors to test BIOS and operating system software.

Product Highlights

Evaluation Board:

- Scalable performance, supporting processors in a socket 478 package with a processor side bus (PSB) speed of 400 or 533 MHz
- Populated with the Intel® Celeron® processor at 2.0 GHz
- Integrated graphics support via the Intel® 845GV chipset
- Populated with 128MB of DDR, expandable to 2GB DDR
- Support for four IDE ATA-100 drives; also compatible with ATA-66/33 drives



Included Hardware:

- Processor and MCH thermal solution attached

Board Peripheral Features:

- Super I/O for legacy peripheral support
- Five USB 2.0 ports
- 10/100 Ethernet

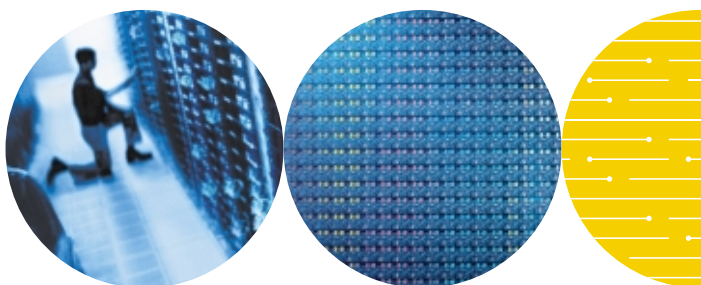
User-Accessible On-Board Connectors:

- Serial RS-232 port (COM1)
- PS/2 keyboard and PS/2 mouse (6-pin mini-DIN)
- ATX 12V power supply connector
- Three standard PCI expansion slots
- ITP32F debug connector and Port 80 display
- Five USB 2.0 connectors (three rear panel, two front panel)
- Two DDR DIMM connectors

Development Support:

- Schematics
- Technical documentation
- Bill of materials
- Demonstration software

Intel in
Communications



Product Description

The Intel® 845GV Scalable Performance Board Development Kit is an evaluation kit with hardware, software, and supporting documentation designed for use in embedded computing applications. The development kit is based on the Intel® Pentium® 4 and Intel® Celeron® FCPGA2 (Socket 478) processor and the Intel® 845GV chipset. The kit is designed to support both a 400 and 533 MHz processor system bus. With this development kit, developers can design a single board, populated with either the Intel Pentium 4 processor or the Intel Celeron processor, providing a wide range of price and performance options.

Use of development kits can reduce the design and validation efforts needed for multiple designs, lower the total cost-of-ownership by reducing warehouse inventory and manufacturing costs, and facilitate faster time-to-market.

BIOS Options:

(Please refer to User's Guide for validated software at time of product release)

- AMI Core8 BIOS*

Software Overview

In order to provide customers with a complete development environment, Intel works with Independent Software Vendors (ISVs) to provide supporting evaluation software for its development kits. The software applications in the kit are demonstration copies provided free of charge by the vendors. The software is licensed for evaluation purposes only. Software in the kit is subject to change without notice. Please refer to the Intel 845GV Scalable Performance Board Development Kit Web page for the latest information at: <http://developer.intel.com/design/intarch/devkits/845GV.htm>

Evaluation Software:

- Microsoft Windows® Embedded XP

Development Kit Ordering Information

Description

EID845GVDEVKIT

Intel® 845GV Scalable Performance Board Development Kit

Intel Access

Developer's Site:

developer.intel.com

Embedded Intel® Architecture Home Page:

developer.intel.com/design/intarch

Other Intel Support:

Intel Literature Center developer.intel.com/design/litcentr/
(800) 548-4725 7 a.m. to 7 p.m. CST (U.S. and Canada)

International locations please contact your local sales office.

General Information Hotline:

(800) 628-8686 or (916) 356-3104 5 a.m. to 5 p.m. PST

For more information, visit the Intel Web site at: developer.intel.com

UNITED STATES AND CANADA
Intel Corporation
Robert Noyce Bldg.
2200 Mission College Blvd.
P.O. Box 58119
Santa Clara, CA 95052-8119 USA

EUROPE
Intel Corporation (UK) Ltd.
Pipers Way
Swindon
Wiltshire SN3 1RJ
UK

ASIA-PACIFIC
Intel Semiconductor Ltd.
32/F Two Pacific Place
88 Queensway, Central
Hong Kong, SAR

JAPAN
Intel Kabushiki Kaisha
P.O. Box 115 Tsukuba-gakuen
5-6 Tokodai, Tsukuba-shi
Ibaraki-ken 305
Japan

SOUTH AMERICA
Intel Semicondutores do Brasil
Rue Florida, 1703-2 and CJ22
CEP 04565-001 Sao Paulo-SP
Brazil

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